



2000 Toxics Release Inventory

PUERTO RICO

Reported Releases and Waste Management Activities (in pounds)

	Original Industry	New Industry	Total
On-site Releases	5,563,349	12,047,050	17,610,399
Air Emissions	5,510,498	11,976,434	17,486,932
Surface Water Discharges	40,764	70,616	111,380
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	2	0	2
On-site Land Releases to RCRA Subtitle C Landfills	250	0	250
Other On-site Land Releases	11,835	0	11,835
Off-site Releases (Transfers Off-site to Disposal)*	839,935	164,654	1,004,589
Total On- and Off-site Releases	6,403,284	12,211,704	18,614,988
Recycled On-site	14,651,259	2,384,135	17,035,394
Recycled Off-site	11,382,117	467,940	11,850,057
Energy Recovery On-site	325,084	0	325,084
Energy Recovery Off-site	14,346,171	12,264,404	26,610,575
Treated On-site	25,617,086	210,797	25,827,883
Treated Off-site**	11,249,308	4,646,095	15,895,403
Quantity Released On- and Off-site***	5,901,254	12,253,536	18,154,790
Total Production-related Waste Managed	83,472,279	32,226,907	115,699,186
Non-production-related Waste Managed	26,802	1	26,803

Transfers Off-site for Further Waste Management/Disposal

Recycling	11,752,235	467,940	12,220,175
Energy Recovery	14,625,402	12,264,403	26,889,805
Treatment	10,795,100	4,644,537	15,439,637
Publicly Owned Treatment Works (POTWs)	2,146,626	6,205	2,152,831
Metals and Metal Compounds*	3,767	0	3,768
Non-metal TRI Chemicals**	2,142,858	6,205	2,149,063
Other Off-site Transfers****	2,982	0	2,982
Transfers Off-site to Disposal (not including metals to POTWs)	839,265	166,508	1,005,773
Total Transfers Off-site for Further Waste Management/Disposal	40,161,610	17,549,593	57,711,203

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

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The largest marker in the map represents the largest facility for on-site releases in Puerto Rico. All markers are proportionally-sized to represent the on-site releases at each facility within this territory.

State/TRI Data

Population	3,808,610
Square Miles	3,427
Total Facilities	157
Total Forms	564
Form As	87

	Original Industry	New Industry	Total
National Rank for Total On- and Off-site Releases*			
Rank	40	33	42
Pounds	6,403,284	12,211,704	18,614,988
National Rank for Total On-site Releases**			
Rank	39	31	41
Pounds	5,563,349	12,047,050	17,610,399
National Rank for Total Releases within State***			
Rank	40	33	42
Pounds	6,061,363	12,159,002	18,220,365
National Rank for Production-related Waste Managed			
Rank	38	32	40
Pounds	83,472,279	32,226,907	115,699,186

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



2000 Toxics Release Inventory

PUERTO RICO

On-site and Off-site Releases for Top Five Chemicals Ranked on Total Releases in the State (All Chemicals)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7664-93-9	Sulfuric acid	8,809,678	0	0	0	0	8,809,678	0	0	0
7664-41-7	Ammonia	3,061,322	3,568	0	0	0	3,064,890	0	0	0
75-09-2	Dichloromethane	2,235,818	0	0	0	3,364	2,239,182	0	40	3,324
67-56-1	Methanol	879,040	0	0	0	5,432	884,472	0	0	5,432
71-36-3	n-Butyl alcohol	458,248	0	0	0	0	458,248	0	0	0

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

On-site and Off-site Releases for PBT Chemicals Ranked on Total Releases in the State

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Polycyclic aromatic compounds	21,549.89	99.90	0.00	0.00	1.80	21,651.59	0.00	1.80	0.00
191-24-2	Benzo(g,h,i)perylene	362.98	50.70	0.00	0.00	0.00	413.68	0.00	0.00	0.00
—	Mercury compounds	198.50	9.34	0.00	0.00	128.30	336.14	0.00	3.30	125.00
7439-97-6	Mercury	40.53	0.06	0.00	0.00	175.33	215.92	0.00	0.33	175.00
1336-36-3	Polychlorinated biphenyls (PCBs)	16.60	0.00	0.00	0.00	0.00	16.60	0.00	0.00	0.00
—	Dioxin and dioxin-like compounds	0.04	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
—	<i>Dioxin and dioxin-like compounds (in grams)</i>	<i>16.497</i>	<i>0.002</i>	<i>0.000</i>	<i>0.000</i>	<i>0.658</i>	<i>17.157</i>	<i>0.000</i>	<i>0.658</i>	<i>0.000</i>
309-00-2	Aldrin	—***	—	—	—	—	—	—	—	—
57-74-9	Chlordane	—***	—	—	—	—	—	—	—	—
76-44-8	Heptachlor	—***	—	—	—	—	—	—	—	—
118-74-1	Hexachlorobenzene	—***	—	—	—	—	—	—	—	—
465-73-6	Isodrin	—***	—	—	—	—	—	—	—	—
72-43-5	Methoxychlor	—***	—	—	—	—	—	—	—	—
29082-74-4	Octachlorostyrene	—***	—	—	—	—	—	—	—	—
40487-42-1	Pendimethalin	—***	—	—	—	—	—	—	—	—
608-93-5	Pentachlorobenzene	—***	—	—	—	—	—	—	—	—
79-94-7	Tetrabromobisphenol A	—***	—	—	—	—	—	—	—	—
8001-35-2	Toxaphene	—***	—	—	—	—	—	—	—	—
1582-09-8	Trifluralin	—***	—	—	—	—	—	—	—	—

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

*** No reports were submitted for these chemicals.



2000 Toxics Release Inventory

PUERTO RICO

On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (All Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Prepa Cambalache Combustion Turbine Plant, Arecibo, Arecibo	3,052,469	0	0	0	0	0	3,052,469	0	0
Prepa Aguirre Power Generation Complex, Salinas, Salinas	2,735,956	11,538	0	0	0	0	2,747,494	28,782	0
Prepa South Coast Power Plant, Guayanilla, Guayanilla	2,710,058	19,664	0	0	0	0	2,729,722	28,447	0
Prepa Palo Seco Power Plant, Toa Baja, Toa Baja	1,980,503	18,652	0	0	0	0	1,999,155	34,177	0
Prepa San Juan Steam Power Plant, Puerto Nuevo, San Juan	1,448,365	20,762	0	0	0	0	1,469,127	20,479	0
Abbott Health Prods. Inc., Barceloneta, Barceloneta	1,404,014	0	0	0	0	0	1,404,014	0	0
Pharmacia & Upjohn Caribe Inc., Arecibo, Arecibo	709,525	0	0	0	0	0	709,525	0	0
Chemsource Corp., Guayama, Guayama	590,664	0	0	0	0	0	590,664	0	0
Schering-Plough Prods. L.L.C., Las Piedras, Las Piedras	576,910	0	0	0	0	0	576,910	0	0
Chevron Phillips Chemical Puerto Rico Core Inc., Guayama, Guayama	427,757	92	0	0	0	0	427,849	0	5

* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (PBT Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Hershey Puerto Rico Inc., Las Piedras, Las Piedras	20,736.60	0.00	0.00	0.00	0.00	0.00	20,736.60	0.00	0.00
Eco Electrica L.P., Penuelas, Penuelas	616.00	0.00	0.00	0.00	0.00	0.00	616.00	0.00	0.00
Pfizer Pharmaceuticals Inc., Vega Baja, Vega Baja	200.25	0.00	0.00	0.00	0.00	0.00	200.25	0.00	0.00
Pfizer Pharmaceuticals L.L.C., Barceloneta, Barceloneta	166.40	0.00	0.00	0.00	0.00	0.00	166.40	0.00	0.00
Prepa Aguirre Power Generation Complex, Salinas, Salinas	66.11	64.80	0.00	0.00	0.00	0.00	130.91	1.90	0.00
Pharmacia & Upjohn Caribe Inc., Arecibo, Arecibo	127.34	0.00	0.00	0.00	0.00	0.00	127.34	0.00	0.00
Caribbean Petroleum Refining L.P., Bayamon, Bayamon	108.67	0.00	0.00	0.00	0.00	0.00	108.67	0.00	0.00
Prepa San Juan Steam Power Plant, Puerto Nuevo, San Juan	19.10	83.00	0.00	0.00	0.00	0.00	102.10	0.50	0.00
Prepa South Coast Power Plant, Guayanilla, Guayanilla	51.61	2.20	0.00	0.00	0.00	0.00	53.81	2.00	0.00
Prepa Palo Seco Power Plant, Toa Baja, Toa Baja	29.31	9.90	0.00	0.00	0.00	0.00	39.21	0.50	0.00

* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



2000 Toxics Release Inventory

PUERTO RICO

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (All Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
Prepa Cambalache Combustion Turbine Plant, Arecibo, Arecibo	0	0	0	0	0	0	3,052,141	3,052,141	0
Prepa Aguirre Power Generation Complex, Salinas, Salinas	0	0	0	0	0	0	2,776,336	2,776,336	0
Prepa South Coast Power Plant, Guayanilla, Guayanilla	0	0	0	0	0	0	2,757,606	2,757,606	1
Prepa Palo Seco Power Plant, Toa Baja, Toa Baja	0	0	0	0	0	0	2,032,795	2,032,795	0
Prepa San Juan Steam Power Plant, Puerto Nuevo, San Juan	0	0	0	0	0	0	1,489,600	1,489,600	0
Abbott Health Prods. Inc., Barceloneta, Barceloneta	10,397,070	0	0	2,893,064	5,275,921	404,972	1,459,722	20,430,749	0
Pharmacia & Upjohn Caribe Inc., Arecibo, Arecibo	0	3,235,914	0	1,938,826	0	934,057	703,222	6,812,020	0
Chemsource Corp., Guayama, Guayama	706,547	0	0	104,078	1,762,621	68,322	590,467	3,232,035	0
Schering-Plough Prods. L.L.C., Las Piedras, Las Piedras	0	513,927	0	151,603	0	0	576,910	1,242,440	0
Chevron Phillips Chemical Puerto Rico Core Inc., Guayama, Guayama	458,399	0	279,171	76	287,671	0	427,837	1,453,154	305

* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (PBT Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
Hershey Puerto Rico Inc., Las Piedras, Las Piedras	0	0	0	0	0	0	20,737	20,737	2
Eco Electrica L.P., Penuelas, Penuelas	0	0	0	0	0	0	616	616	0
Pfizer Pharmaceuticals Inc., Vega Baja, Vega Baja	0	0	0	0	0	0	200	200	0
Searle Ltd., Barceloneta, Barceloneta	0	0	0	0	0	0	181	181	0
Pfizer Pharmaceuticals L.L.C., Barceloneta, Barceloneta	0	0	0	0	0	0	166	166	0
Prepa Aguirre Power Generation Complex, Salinas, Salinas	0	0	0	0	0	0	133	133	0
Pharmacia & Upjohn Caribe Inc., Arecibo, Arecibo	0	4	0	17	0	0	127	149	0
Caribbean Petroleum Refining L.P., Bayamon, Bayamon	0	0	0	0	0	0	109	109	0
Prepa San Juan Steam Power Plant, Puerto Nuevo, San Juan	0	0	0	0	0	0	102	102	0
Prepa South Coast Power Plant, Guayanilla, Guayanilla	0	0	0	0	0	0	56	56	1

* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.